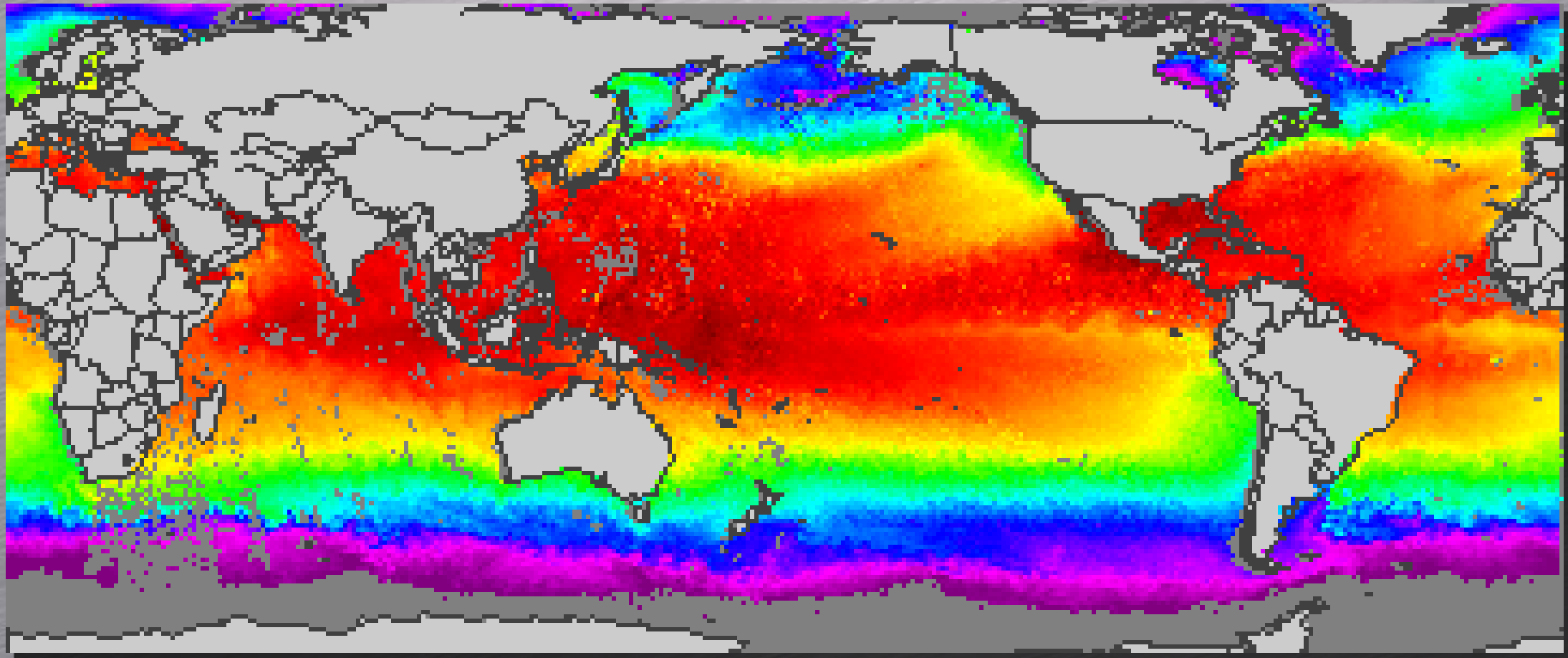
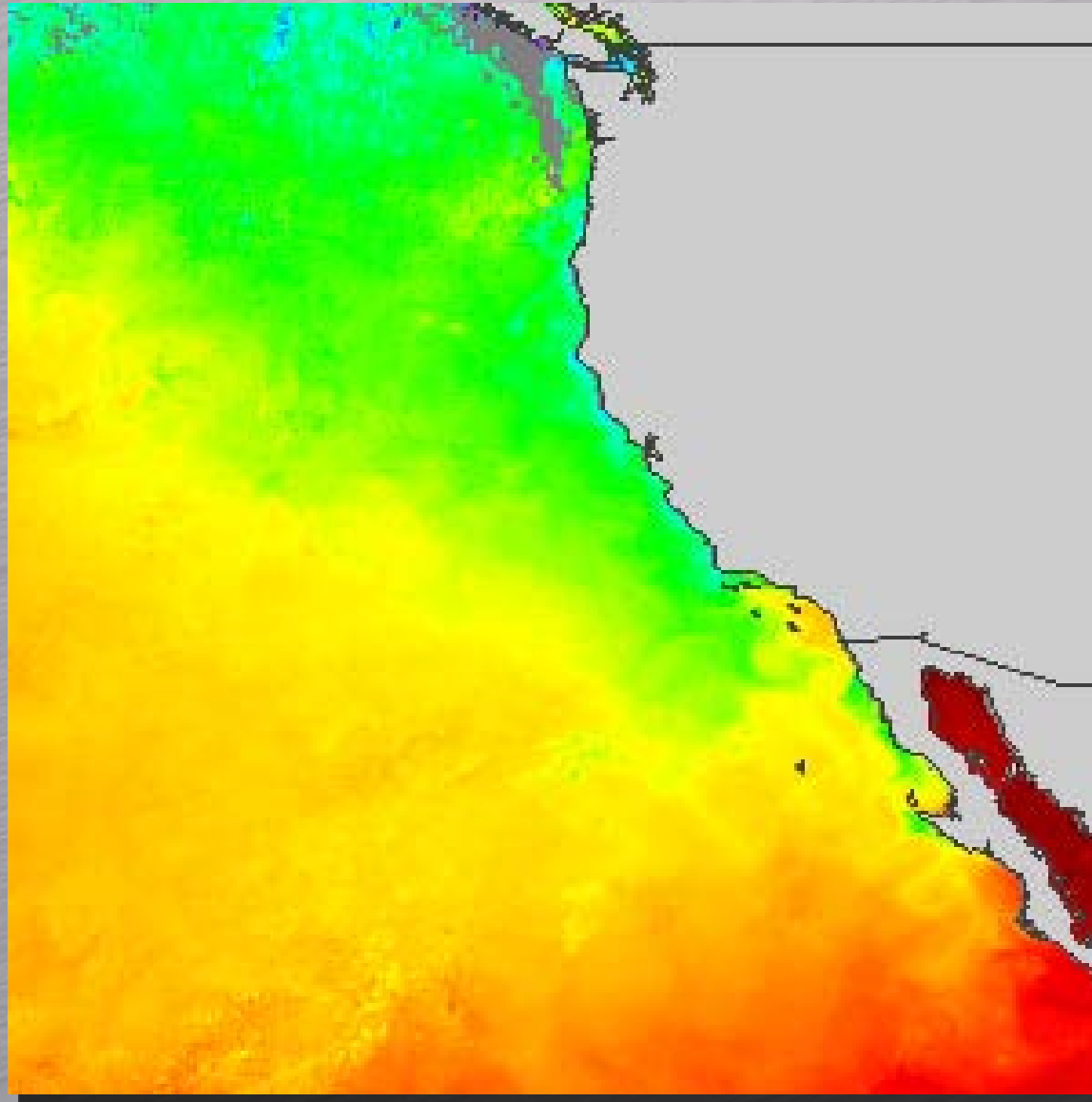


WMS



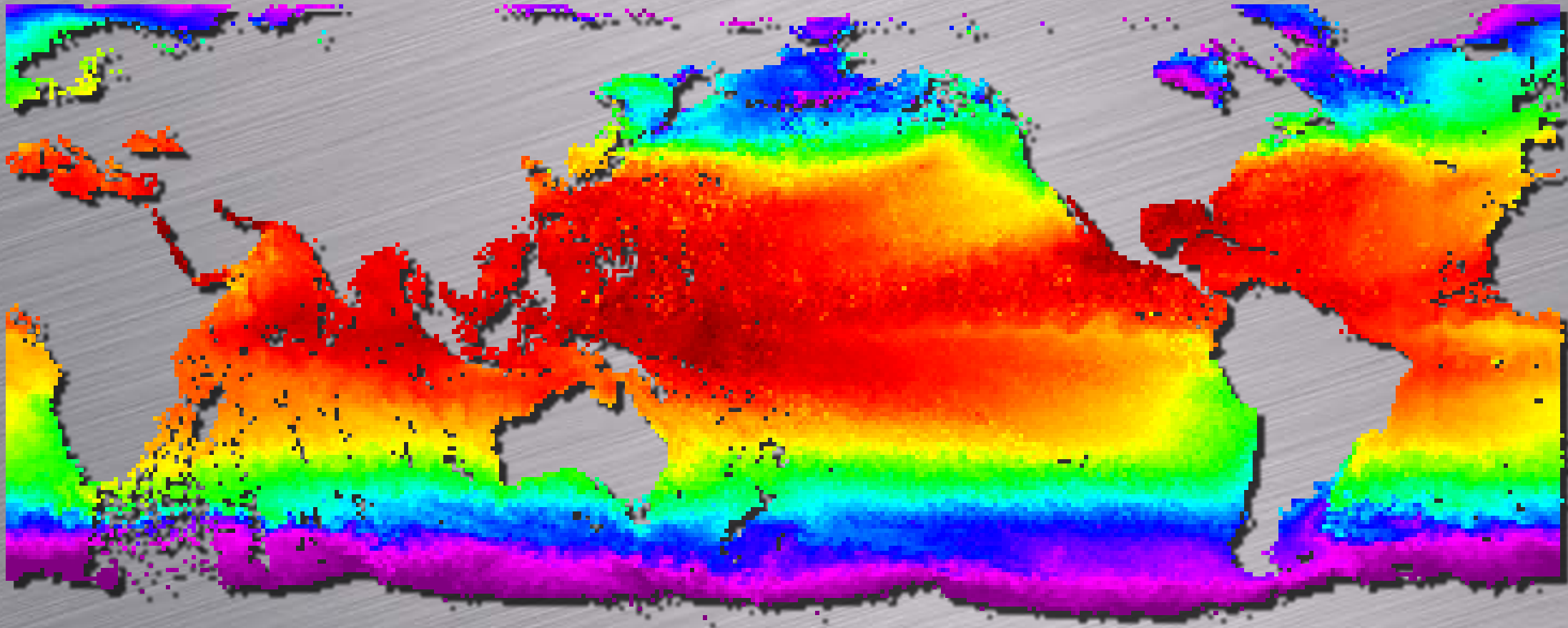
<http://coastwatch.pfeg.noaa.gov/erddap/wms/erdBASsta5day/request?service=WMS&version=1.3.0&request=GetMap&bbox=0,-75,360,75&crs=EPSG:4326&width=360&height=150&bgcolor=0x808080&layers=Land,erdBASsta5day:sst,Coastlines,Nations&styles=&format=image/png>

WMS



<http://coastwatch.pfeg.noaa.gov/erddap/wms/erdBASsta5day/request?service=WMS&version=1.3.0&request=GetMap&bbox=220,20,250,50&crs=EPSG:4326&width=300&height=300&bgcolor=0x808080&layers=Land,erdBASsta5day:sst,Coastlines,Nations&styles=&format=image/png>

WMS (transparent)



<http://coastwatch.pfeg.noaa.gov/erddap/wms/erdBASsta5day/request?service=WMS&version=1.3.0&request=GetMap&bbox=0,-75,360,75&crs=EPSG:4326&width=360&height=150&bgcolor=0x808080&layers=erdBASsta5day:sst&styles=&format=image/png&transparent=TRUE>


SOS Client

ERDDAP - Data Access Form for Buoy Data from the NOAA NDBC SOS Server - Water Temperature from NOAA NDBC

http://coastwatch.pfeg.noaa.gov/erddap/tabledap/ndbcSosWTemp.html



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ERDDAP - Data Access Form for B...











 **ERDDAP** Easier access to scientific data

Brought to you by [NOAA NMFS SEISC ERD](#)


ERDDAP > tabledap > Data Access Form


Dataset Title: **Buoy Data from the NOAA NDBC SOS Server - Water Temperature**
Dataset ID: **ndbcSosWTemp**  
Institution: **NOAA NDBC**
Information: [Summary](#) | [Variables](#) | [Background](#) | [Make A Graph](#)


Variable 

	Optional Constraint #1 	Optional Constraint #2 	Minimum 	Maximum 
<input checked="" type="checkbox"/> longitude (degrees_east) 	<input type="text" value=">= []"/>	<input type="text" value="<= []"/>	-177.75	179.0
<input checked="" type="checkbox"/> latitude (degrees_north) 	<input type="text" value=">= [36]"/>	<input type="text" value="<= [40]"/>	3.517	60.8
<input checked="" type="checkbox"/> station_id 	<input type="text" value=">= []"/>	<input type="text" value="<= []"/>		
<input checked="" type="checkbox"/> altitude (m) 	<input type="text" value=">= []"/>	<input type="text" value="<= []"/>		
<input checked="" type="checkbox"/> time (UTC) 	<input type="text" value=">= [2009-08-03T00:00:00Z]"/>	<input type="text" value="<= []"/>	2007-11-02T00:00:00Z	
<input checked="" type="checkbox"/> WaterTemperature (sea_surface_temperature, degrees_C) 	<input type="text" value=">= []"/>	<input type="text" value="<= []"/>		

Filters

☐ distinct() 

orderBy(" [] , [] , [] , [] , [] ") 

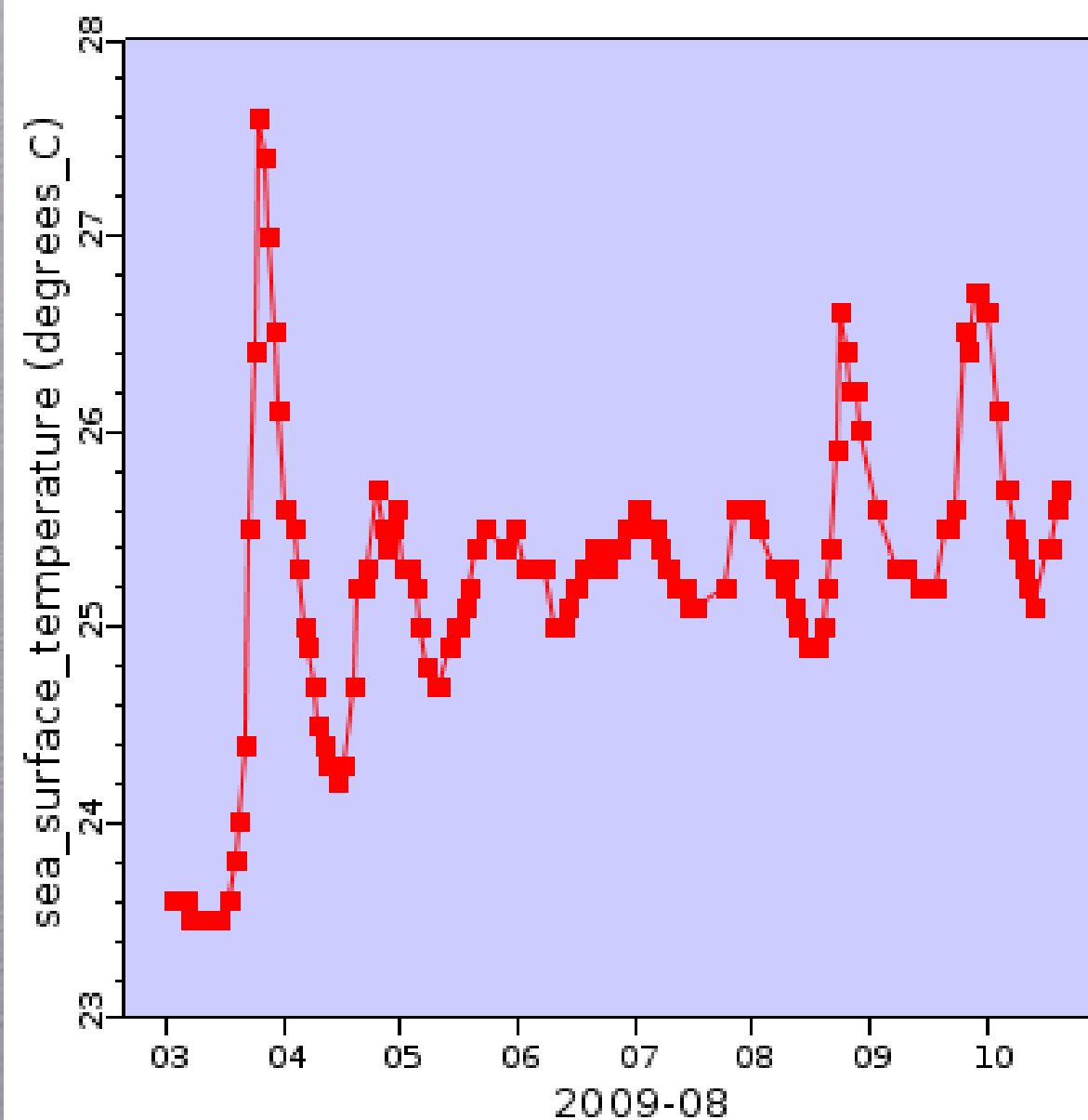
orderByMax(" [] , [] , [] , [] , [] ") 

File type:

SOS Client

ndbcSosWTemp_3371846566					
http://coastwatch.pfeg.noaa.gov/erddap/tabledap/ndbcSosWTemp.htmlTable?longitude,latitude Google					
Google Scholar TinyURL! Open in Papers MacInTouch MacFixit MacNN MacUpdate Versiontracker MacResearch present News (2050) Apple Amazon					
ndbcSosWTemp_3371846566					
longitude	latitude	station_id	altitude	time	WaterTemperature
degrees_east	degrees_north		m	UTC	degrees_C
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T00:50:00Z	23.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T01:50:00Z	23.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T02:50:00Z	23.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T03:50:00Z	23.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T04:50:00Z	23.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T05:50:00Z	23.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T06:50:00Z	23.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T07:50:00Z	23.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T09:50:00Z	23.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T10:50:00Z	23.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T12:50:00Z	23.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T13:50:00Z	23.8
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T14:50:00Z	24.0
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T15:50:00Z	24.4
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T16:50:00Z	25.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T17:50:00Z	26.4
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T18:50:00Z	27.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T19:50:00Z	27.4
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T20:50:00Z	27.0
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T21:50:00Z	26.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T22:50:00Z	26.1
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-03T23:50:00Z	25.6
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T01:50:00Z	25.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T02:50:00Z	25.3
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T03:50:00Z	25.0
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T04:50:00Z	24.9
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T05:50:00Z	24.7
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T06:50:00Z	24.5
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T07:50:00Z	24.4
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T08:50:00Z	24.3
-74.7	38.46	urn:x-noaa:def:station:noaa.nws.ndbc::44009		2009-08-04T09:50:00Z	24.3

SOS Client



—■— Buoy Data from the NOAA NDBC SOS Server - Water Temperature
(latitude=38.46, longitude=38.46)
Data courtesy of NOAA NDBC

SOS Server

- can respond to GetCapabilities and GetObservation requests
- some of the details need to be changed
- currently just returns the standard SOS XML
- will add support for lots of types of responses (e.g., .csv, .tsv, .htmlTable)

SOS Server

```
<?xml version="1.0"?>
<Capabilities
  xmlns:gml="http://www.opengis.net/gml/"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:swe="http://www.opengis.net/swe/1.0.1"
  xmlns:om="http://www.opengis.net/om/1.0"
  xmlns="http://www.opengis.net/sos/1.0"
  xmlns:sos="http://www.opengis.net/sos/1.0"
  xmlns:ows="http://www.opengis.net/ows/1.1"
  xmlns:ogc="http://www.opengis.net/ogc"
  xmlns:tml="http://www.opengis.net/tml"
  xmlns:sml="http://www.opengis.net/sensorML/1.0.1"
  xmlns:myorg="http://www.myorg.org/features" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.opengis.net/sos/1.0 http://schemas.opengis.net/sos/1.0.0/sosAll.xsd"
  version="1.0.0">
  <!-- This is a PROTOTYPE service. The information in this response is NOT complete. -->
  <ows:ServiceIdentification>
    <ows:Title>SOS for Buoy Data from the NOAA NDBC SOS Server - Currents</ows:Title>
    <ows:Abstract>The NOAA NDBC SOS server is part of the IOOS DIF SOS Project. The stations in this dataset have currents data.
    </ows:Keywords>
    <ows:ServiceType codeSpace="http://opengeospatial.net">OGC:SOS</ows:ServiceType>
    <ows:ServiceTypeVersion>1.0.0</ows:ServiceTypeVersion>
    <ows:Fees>NONE</ows:Fees>
    <ows:AccessConstraints>NONE</ows:AccessConstraints>
  </ows:ServiceIdentification>
  <ows:ServiceProvider>
    <ows:ProviderName>NOAA Environmental Research Division</ows:ProviderName>
    <ows:ProviderSite xlink:href="http://127.0.0.1:8080/cwexperimental"/>
    <ows:ServiceContact>
      <ows:IndividualName>Bob Simons</ows:IndividualName>
      <ows:ContactInfo>
        <ows:Phone>
          <ows:Voice>831-658-3205</ows:Voice>
        </ows:Phone>
        <ows:Address>
          <ows:DeliveryPoint>1352 Lighthouse Ave.</ows:DeliveryPoint>
          <ows:City>Pacific Grove</ows:City>
          <ows:AdministrativeArea>CA</ows:AdministrativeArea>
          <ows:PostalCode>93950</ows:PostalCode>
          <ows:Country>USA</ows:Country>
        </ows:Address>
      </ows:ContactInfo>
    </ows:ServiceContact>
  </ows:ServiceProvider>
  <ows:OperationsMetadata>
    <ows:Operation name="GetCapabilities">
      <ows:DCP>
        <ows:HTTP>
          <ows:Get xlink:href="http://127.0.0.1:8080/cwexperimental/sos/ndbcSosCurrents/server"/>
        </ows:HTTP>
      </ows:DCP>
      <ows:Parameter name="Sections">
```